



Interoperability Montana Project Subscriber Performance Criteria Testing

Manufacture: EF Johnson

Model #: 5300 Mobile

Mobile Portable (circle one)

Person Performing Qualification Check: Jack Spillman

	Performance Test or Measure	Pass/Fail	Comments	Initial
1	Specification sheets for model (attached)	P		JS
2	Operational test - Motorola Astro Smartzone Trunking Systems (7.4 platform)	P		JS
3	P25 Certification	P		JS
4	Power out (35/4 watts)	P		JS
5	Receiver Sensitivity: Minimum .25 uV, with max 5% bit error rate (BER)	P		JS
6	Minimum of 3 Zones, with 48 channels/talk groups	P		JS
7	Encryption: DES-OFB 16 key encryption capable (AES encryption capable, but not yet needed)	P		JS
8	Frequency range: 136-174 MHz	P		JS
9	PLADPL (CTCSS/DCS) Capable	P		JS
10	16 Channel Selector Knob (Handhelds only)	N/A		
11	One year warranty, parts and labor	P		JS
12	MIL-STD 810C, D, E, and/or F	P		JS
13	Hardware selective inhibit test	N/A		
14	Encryption Capacity and KID setup test (optional)	P		JS



15	Outbound page enable (Model Dependant) (optional)	N/A		
16	Mixed Scan capable	P		JS
17	Talkgroup Call	p		JS
18	Multigroup Call	p		JS
19	Private Call	p		JS
20	Call Alert	p		JS
21	Continuous Assignment Updating	P		JS
22	Multi-Zone Roaming (Conditional)	N/A		
23	All Start Talkgroup	N/A		
24	Fast Start Talkgroup Without Critical Site	P		JS
25	Site Trunking	P		JS
26	Site Trunking Roaming To Wide Area Sites	P		JS
27	Emergency Alarm and Call Display	P		JS
28	PTT Unit ID/Alias Display	P		JS
29	Conventional Radio Resource	P		JS

Comments:


This unit takes some getting used to for programming purposes. After figuring out the software, things go pretty smooth. I did not get a chance to re-do the paging functions, but it did work when I was in L&C County. A bit slower in finding a new site when it goes out of range than the Motorola, as expected.



I certify that the above tests have been complete. The signature below indicates the referenced radio has met the above listed tests and certifications.

Data provided is not a certification, implied or otherwise, of any product listed. Individuals considering purchasing any radio, regardless of the make/model, are encouraged to request a loaner from the vendor for their own testing and verification purposes. Individual makes/models may have additional features not tested.

Person Performing Test:



Signature

07/13/09

Date

Technical Committee Chair



Signature

9-28-09

Date